

Product datasheet for **MC201955**

Chchd3 (NM_025336) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chchd3 (NM_025336) Mouse Untagged Clone
Tag: Tag Free
Symbol: Chchd3
Synonyms: 0610041L09Rik; 1700039J09Rik; AW558177
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC021941 sequence for NM_025336
GGTCGTGGCCTTGCTCCTGCCCTGCAAGAGAAGCGTCCAGGGCTTTCACGCGCAAGTGTGCGCGTGGGTC
CTGACGTGCTCGTAGGTCCAGCTCCAGACTCTGCGGGGACAGAAGCAGGAGCCATGGGCGGGACCGCTA
GCACCCGCGGGTCACTTCGAGGCGGACGAGAACGAGAACATCACCGTGGTGAAGGGCATCCGGCTTTC
AGAAAATGTGATCGACCGGATGAAGGAGTCTCTCCATCTGGCTCTAAGTCTCAGCGATATTCCAGCGTT
TATGGTGCTTCAGTTTCTGATGAAGATTTGAAAAGAAGAGTAGCTGAGGAGCTGGCATTGGAGCAAGCCA
AAAAGGAGTCAGAACACCCAGAGACGCCTTAAGCAAGCAAGGGACCTAGAAAAGAGAAAGGGCTGCAGCCAA
TGAGCAGCTGACCAGAGCTGTCTTCGGGAAAAGAAATATCCAGTGAAGAGGAGCGCATGAAGGCGAAGCAT
CTGGCTCGGCAGCTGGAAGAGAAAGACCGAGTATGCGGAAGCAGGATGCATTCTACAAAGAGCAGCTGG
CCAGACTGGAGGAGAGGAGCTCAGAGTTCTACAAAGTACCACCGAGGAGTATCAGAAAGCTGCTGAAGA
GGTGAAGCCAAGTTCAAGCGGTATGAATATCATCCAGTCTGTGCAGATCTGCAGACCAAAATCCTCCAG
TGTTACCGTCAGAACACCCAGCAGACTCTCAGCTGCTCTGCTCTGCTAGCCAATACATGCACTGTGTCA
ACCATGCCAAACAGAGCATGCTGGAGAAGGAGGCTAAAGTTACCCTGAGAACATGCAAGCTCCTTCAAC
GTAAATTCAGAGGTGGAACATTTTTCTTTTCTAGTATGAAAATGACCCATTTAAAGAGAAGACCACTA
AAGACAGACAGGCACTGGAAAATGGACTCAACTGAATCATAACGTGTTTTGATCAACAGTTTAAAAAGCC
ATGTTCTAGATCAGCGATCAGTCATCAAAGAACACTGTTAAGTGTAAATGAAACCACAAAATGAATAAAA
GAGGAAGGCAGTCCACCCCAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_025336

Insert Size: 684 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>BC021941</u> , <u>AAH21941</u>
RefSeq Size:	1084 bp
RefSeq ORF:	684 bp
Locus ID:	66075
UniProt ID:	<u>Q9CRB9</u>
Cytogenetics:	6 A3.3
Gene Summary:	Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane. Has also been shown to function as a transcription factor which binds to the BAG1 promoter and represses BAG1 transcription. Plays an important role in the maintenance of the MICOS complex stability and the mitochondrial cristae morphology.[UniProtKB/Swiss-Prot Function]